

## CASS COUNTY SPRING LOAD RESTRICTIONS

Cass County will impose Load Restrictions on all Highways effective March 20, 2014. Restrictions shall remain in effect until pavement subgrade conditions warrant removal, generally about the 15<sup>th</sup> of May.

Additional information is available at [www.casscountynynd.gov](http://www.casscountynynd.gov) or at the Cass County Highway Department at 298-2370.

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### CASS COUNTY HIGHWAY DEPARTMENT SPRING LOAD RESTRICTION POLICY

Under authority of NDCC §39-12-03, local authorities may restrict loads on their highways. The purpose of the load restrictions is to protect the highways from break-up during the spring thaw. Restrictions may be placed at other times during the year to protect highways with weak surfaces from load damage. The following tables list the Cass County Spring Load Restrictions. These restrictions are subject to change as conditions warrant. Actual load restriction postings take precedence over those listed here and are in effect when the load restriction signing is in place.

It is the Department's position to not implement Spring Load Restrictions any earlier than necessary. The Department monitors the daily high/low temperatures, which are used to calculate accumulated Freeze and Thaw Indexes. From these indexes, highway engineers can determine when to implement and remove load restrictions.

Be aware that this method is only one decision tool the Department uses to determine when to implement and remove load restrictions. The Department still relies heavily on the existing highway conditions and past experience of its field personnel when making the final decision of when to implement and remove load restrictions.

Implementation and removal of Spring Load Limit Restrictions is highly dependent on weather. It is the Department's desire to protect its roads while minimizing the period the roads are restricted. The implementation and removal dates for the Spring Load Limit Restrictions are determined based on recommendations from field personnel and the Thaw Index. The Thaw Index is the average daily temperature as compared to a temperature of 29 degrees F. Anytime the average daily temperature exceeds 29 degrees F. we feel we have a thawing day. For example, if a day's high and low temperatures are 20 degrees F. and 42 degrees F. respectively, then the average temperature for the day is 31 degrees F ( $(20+42)/2=31$ ). When we compare the day's average temperature of 31 to the previous referenced 29 we find we have 2 degree days of thawing taking place for that day. We monitor these temperatures daily and accumulate the amount of thawing degree days taking place. When the amount of accumulated thawing degree days approaches 25 to 50 degree days, we feel enough thawing has taken place to warrant implementing the spring load restrictions.

	<b><u>By Legal Weight:</u></b>	<b><u>8 TON:</u></b>	<b><u>7 TON:</u></b>	<b><u>6 TON:</u></b>
Single Axle	20,000 lbs	16,000 lbs	14,000 lbs	12,000 lbs
Tandem Axle	34,000 lbs	32,000 lbs	28,000 lbs	24,000 lbs
3 Axles or more	17,000 lbs/axle	14,000 lbs/axle	12,000 lbs/axle	10,000 lbs/axle
Max Axle Group	48,000 lbs	42,000 lbs	36,000 lbs	30,000 lbs
Gross Vehicle Weight	105,500 lbs	105,500 lbs	105,500 lbs	80,000 lbs

**CASS COUNTY LOAD RESTRICTION  
TABLE**

<b><i>Highway Number</i></b>	<b><i>Location</i></b>	<b><i>Approximate Length</i></b>	<b><i>Posting Status</i></b>
1	Steele Co. Line to 1/2 mile N. of Cass 10	21.5	6 Ton
1	Cass 10 to 1/2 mile N.	0.5	Legal Wt.
1	I-94 to 3 miles S. of Cass 12	8	6 Ton
2	Barnes Co. Line to State 38	4	6 Ton
2	Cass 5 to Cass 81	20	6 Ton
2	Cass 81 to Cass 31	7	6 Ton
3	Steele Co. Line to Cass 26	6	6 Ton
3	Cass 26 to Cass 4	7	6 Ton
3	Cass 4 to Ayr	0.5	Legal Wt.
3	Ayr to I-94	11.5	6 Ton
4	Barnes Co. Line to State 38	6	6 Ton
4	State 38 to Cass 3	4	Legal Wt.
4	Cass 3 to I-29	26	8 Ton
4	I-29 to Cass 81	0.5	Legal Wt.
4	Cass 81 to Cass 31	4.5	6 Ton
5	Traill Co. Line to Cass 26	6	8 Ton
5	Cass 26 to Cass 4	7	8 Ton
5	Cass 4 to Cass 32 West	5	6 Ton
5	Cass 32 West to Cass 10	4	8 Ton
5	Cass 10 to I-94	2	6 Ton
5	I-94 to Cass 6	7	8 Ton
5	Cass 6 to State 46	10	6 Ton
6	Barnes Co. Line to Cass 38	6	8 Ton
6	Cass 38 to State 18	16	8 Ton
6	State 18 to Cass 17	15	6 Ton
6	Cass 17 to Fargo City Limits	1	Legal Wt.
7	I-94 to 42 <sup>nd</sup> Street SE	5	Legal Wt.
7	42 <sup>nd</sup> Street SE to Cass 6	2	8 Ton
7	Cass 6 to State 46	10	6 Ton
8	Cass 15 to 1 mile W. of Cass 17	4	6 Ton
9	I-94 to Durbin	4.5	8 Ton
9	Durbin to Cass 16	6.5	6 Ton
9	Cass 16 to State 46	6	6 Ton
10	Cass 1 to State 38	6	8 Ton
10	State 38 thru Buffalo	1	Legal Wt.
10	Buffalo to Cass 5 North	8	6 Ton
10	Cass 5 North to Cass 23	6	8 Ton
10	Cass 23 to State 18	2	Legal Wt.
10	State 18 to Fargo City Limits	16	8 Ton
11	I-29 (Grandin) to 1.3 miles W.	1.3	7 Ton
11	1.3 miles W. of I-29 to Cass 4	13.5	6 Ton
11	Cass 4 to 1/2 mile N. of I-94	11.5	8 Ton
11	I-94 to 1/2 mile N.	0.5	Legal Wt.

<b><i>Highway Number</i></b>	<b><i>Location</i></b>	<b><i>Approximate Length</i></b>	<b><i>Posting Status</i></b>
12	Cass 1 to Cass 38	6	6 Ton
13	Cass 22 to Cass 20	2	6 Ton
14	Cass 15 to Cass 17	5	6 Ton
14	Cass 17 to Cass 81	5	8 Ton
15	Cass 10 to I-94	1	6 Ton
15	I-94 to Kindred	16	8 Ton
15	Kindred to State 46	1	Legal Wt.
16	Barnes Co. Line to Cass 27	30	6 Ton
16	Cass 27 to Minnesota Line	14	8 Ton
17	I-29 to Cass 10	6	Legal Wt.
17	Cass 6 to State 46	12	8 Ton
18	Cass 17 to I-29	3.5	6 Ton
18	I-29 to Minnesota Line	2	8 Ton
19	Cass 10 to Main Ave.	1	8 Ton
20	Cass 11 to Cass 17	7	6 Ton
20	Cass 17 to I-29	2.3	8 Ton
20	Cass 81 to 1.3 miles E.	1.3	Legal Wt.
20	1.3 miles E. of Cass 81 to Mn Line	1.5	8 Ton
21	Cass 14 to Cass 16	2	8 Ton
22	Cass 11 to 2 miles E.	2	8 Ton
22	2 mile E. of Cass 11 to Cass 17	5	6 Ton
22	Cass 81 to Minnesota Line	3	8 Ton
25	Cass 81 to Cass 18	1	8 Ton
26	Barnes Co. Line to State 38	6	8 Ton
26	State 38 to Minnesota Line	36	Legal Wt.
27	Cass 16 to State 46	6	6 Ton
28	Main Ave. to Drain 21	1	8 Ton
31	Traill Co. Line to Cass 26 N. Jct.	4	6 Ton
31	Cass 26 N. Jct. to Cass 26 S. Jct.	2	Legal Wt.
31	Cass 26 S. Jct. to Cass 22	12	6 Ton
31	Cass 22 to Cass 20	4	8 Ton
32	Cass 1 to Absaraka	13.5	6 Ton
32	Absaraka to Cass 5	1.5	8 Ton
32	Cass 5 to Cass 81	22	6 Ton
34	Cass 5 to Minnesota Line	27	6 Ton
36	State 18 to Cass 16	17	6 Ton
38	I-94 to State 46	17	8 Ton
81	Traill Co. Line to Cass 20	21	8 Ton
81	52 <sup>nd</sup> Ave. S. to 64th Ave. S.	1	Legal Wt.
81	64th Ave. S. to State 46	11	8 Ton